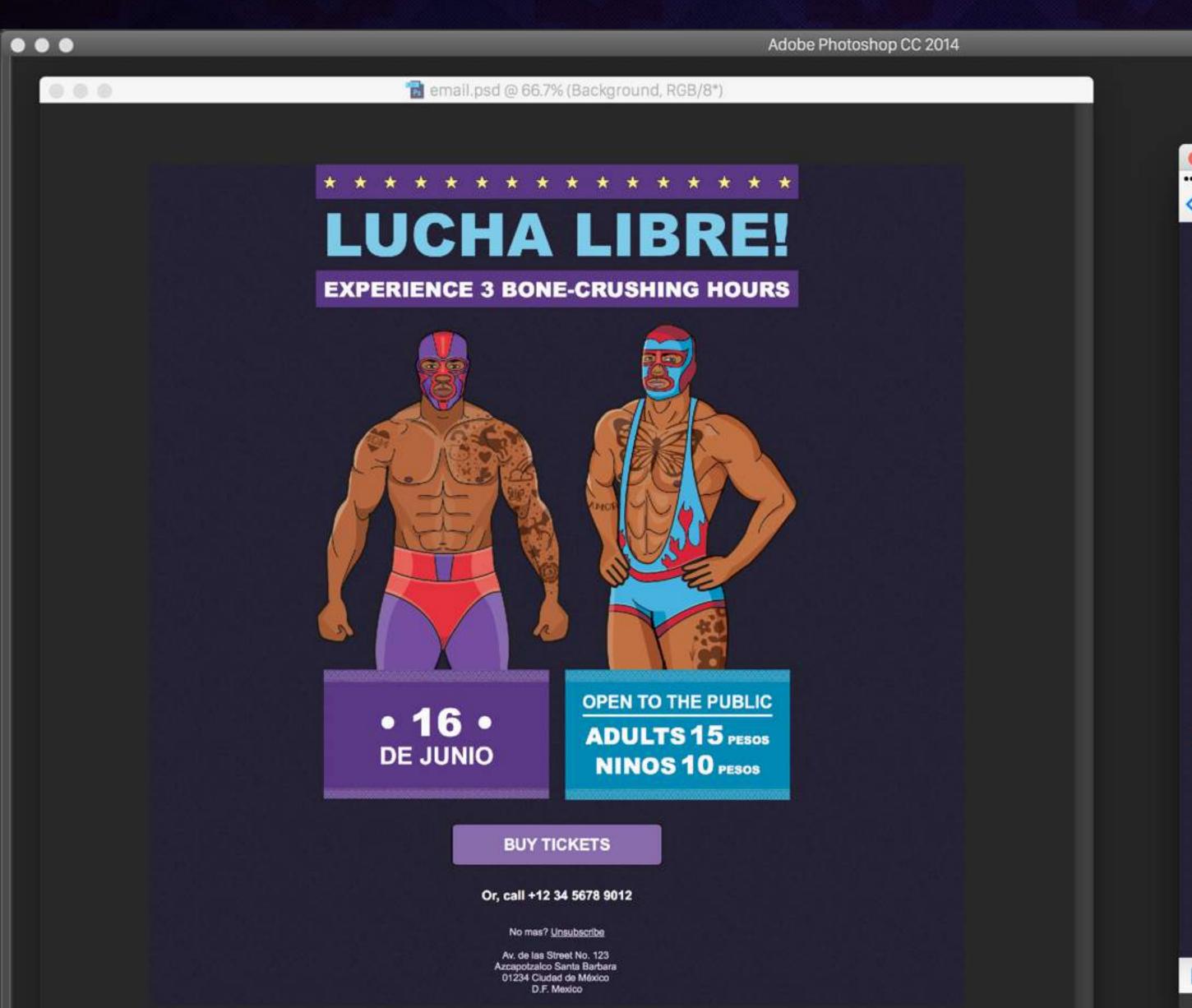
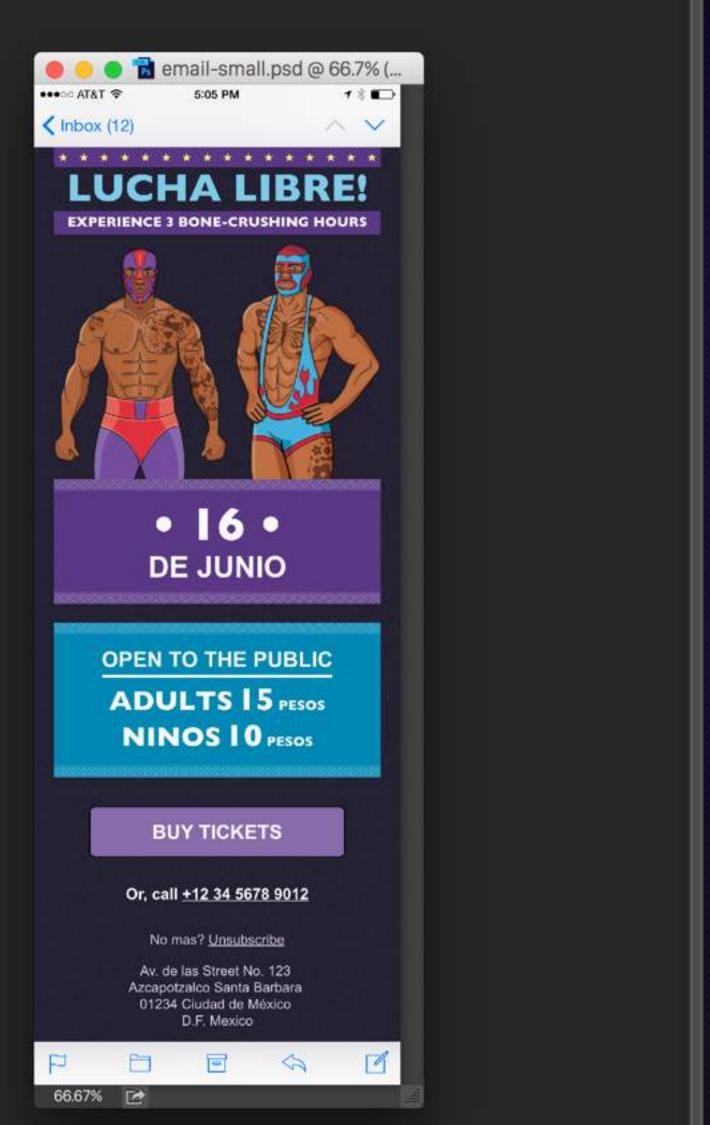


Level 1 - Clients and Markup

The design for the email we'll build





In this level...



LUCHA LIBRE!

EXPERIENCE 3 BONE-CRUSHING HOURS



• 16 • DE JUNIO

ADULTS 15 PESOS
NINOS 10 PESOS

BUY TICKETS

The skills you'll need to compete

Power Moves

HTML and CSS

Media queries

Signature Move

Using external resources

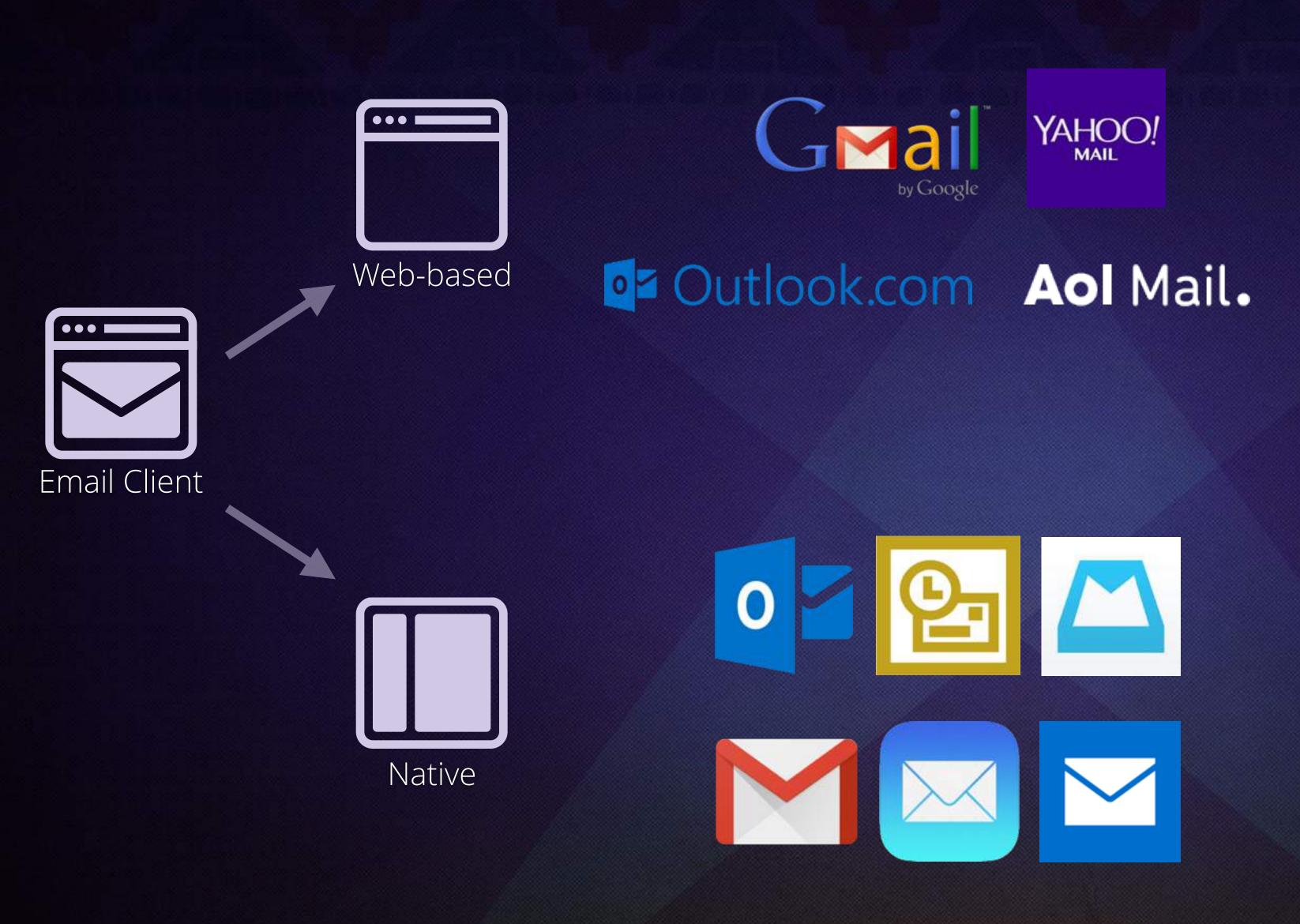


An HTML email base

Front-end Foundations email.html <!DOCTYPE html> <html> <head> <meta charset="utf-8"> <title>HTML Email Base</title> <meta name="viewport" content="width=device-width" /> </head> <body style="margin: 0; padding: 0;"> <!-- Content --> Journey Into Mobile </body> </html>

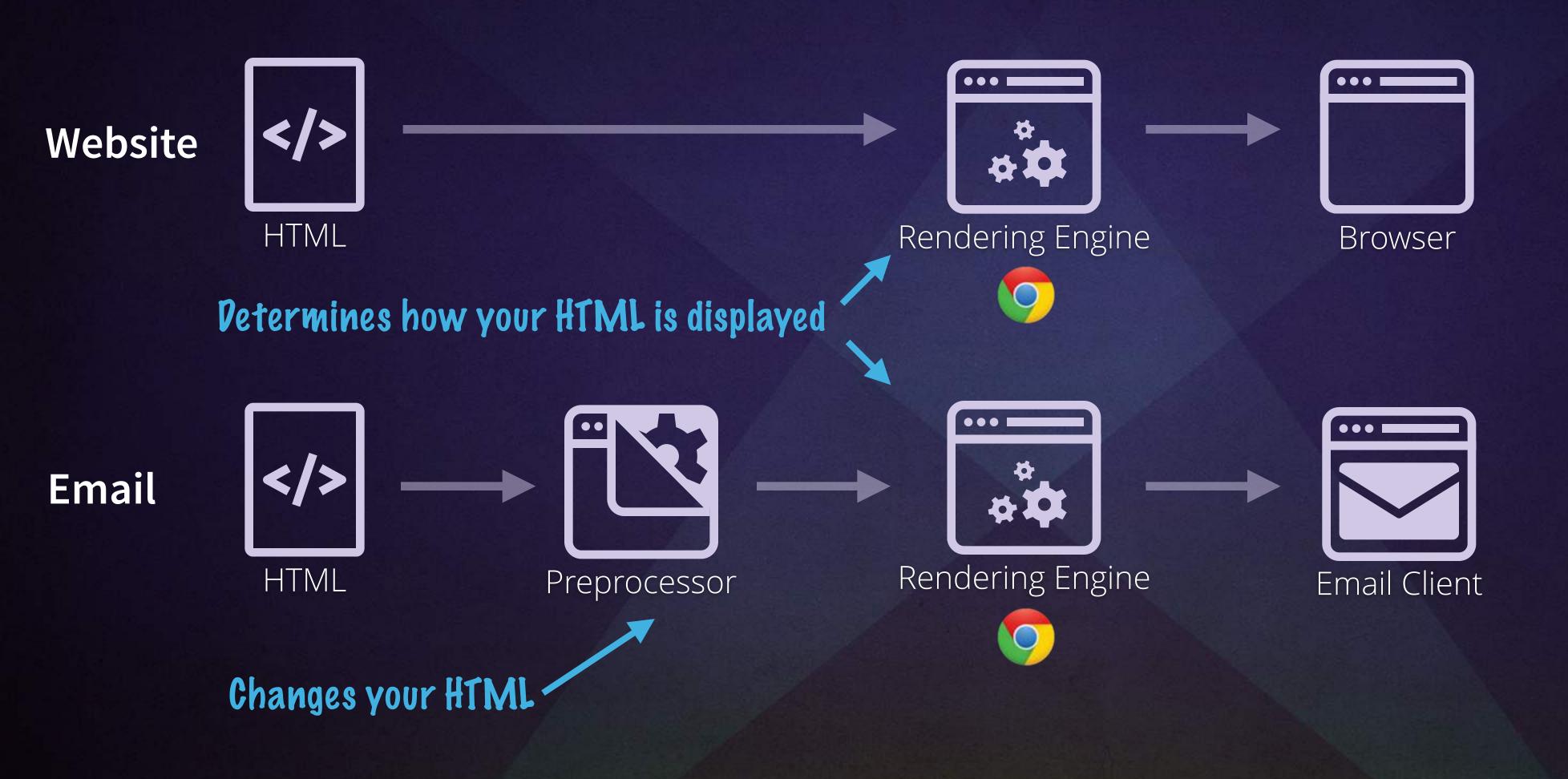


Email clients



HTML email clients preprocess HTML

In email clients, HTML is altered by a preprocessor before they are rendered.





Preprocessors are your strongest opponents

The preprocessor is intended to protect the client from harmful code.



Power Moves

Removes or changes HTML tags

Removes or changes CSS

Overrides styles with app CSS

Changes the entire document structure

Signature Move

Removes all JavaScript



Gmail has the most aggressive preprocessor

The popularity of Gmail dictates much of how HTML and CSS must be written.



Power Moves

Removes any <link> tags

Overrides styles with app CSS

Changes the entire document structure

Signature Move

Removes < style > tags



Adding content to an email

```
email.html
              <!DOCTYPE html>
Base HTML
              <html>
                <head>
                  <meta charset="utf-8">
                  <title>HTML Email Base</title>
                  <meta name="viewport" content="width=device-width" />
                </head>
                <body style="margin: 0; padding: 0;">
                  <img src="http://example.org/images/stars.png"/>
Email content
                </body>
              </html>
```



Images need to have absolute URLs

email.html

For brevity in examples, we'll write like this: src= "...stars.png"



Adding copy to an email

email.html

```
<!DOCTYPE html>
             <html>
               <head>
                 <meta charset="utf-8">
                  <title>HTML Email Base</title>
                  <meta name="viewport" content="width=device-width" />
               </head>
               <body style="margin: 0; padding: 0;">
                  <img src="...stars.png"/>
Email content
                 <h1>Lucha Libre!</h1>
                 Experience 3 Bone-Crushing Hours
               </body>
             </html>
```



Code examples

To focus on specific code, we'll use "..." to represent additional code that isn't shown.



Testing in a browser vs. an email client

The results will vary in clients with different preprocessors and rendering engines.

email.html

















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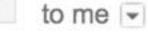
Text styles are different

Gmail's preprocessor



•

Code School Team faculty@codeschool.com via mail207.atl61.mcsv.net Unsubscribe











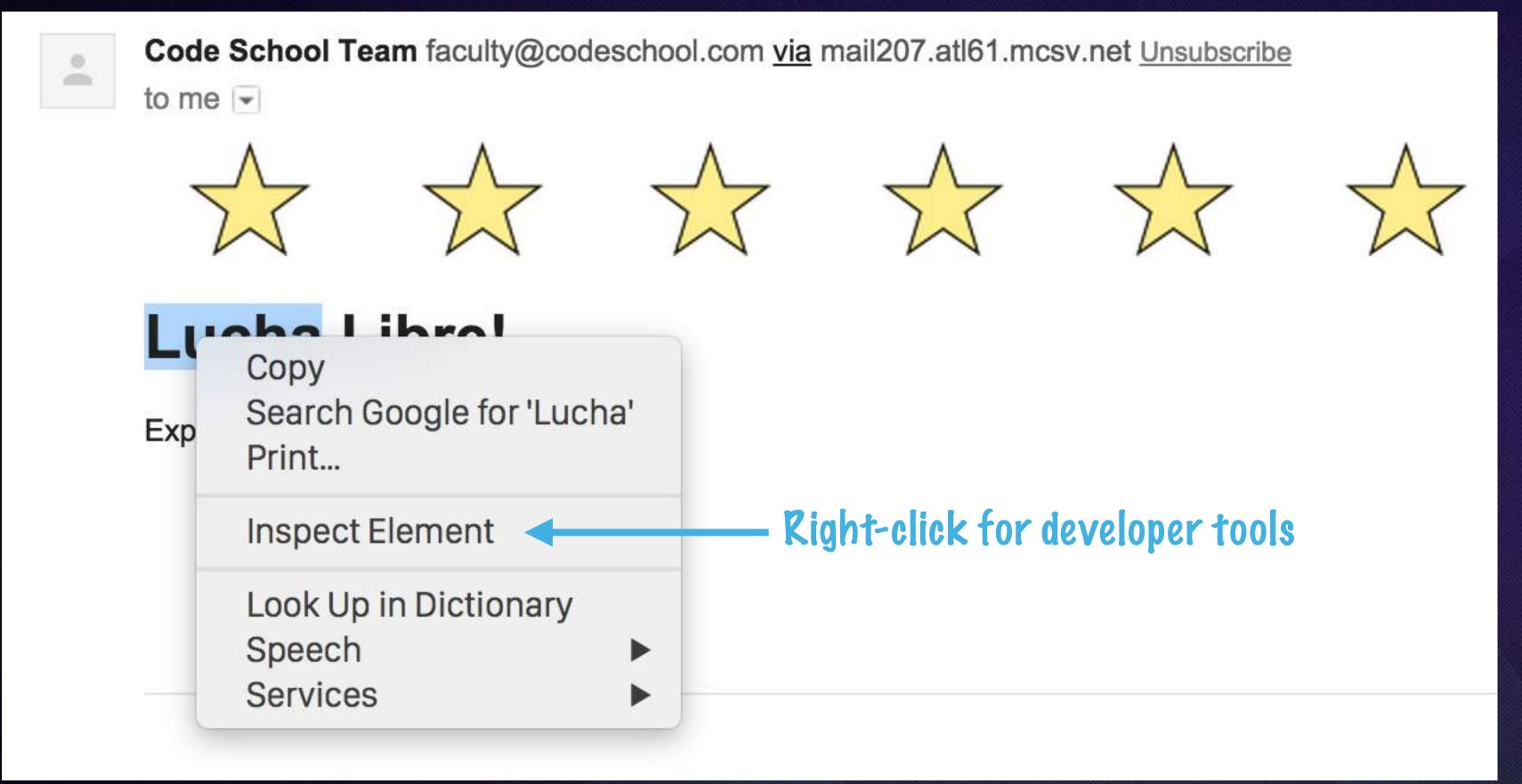


Lucha Libre!

Experience 3 Bone-Crushing Hours

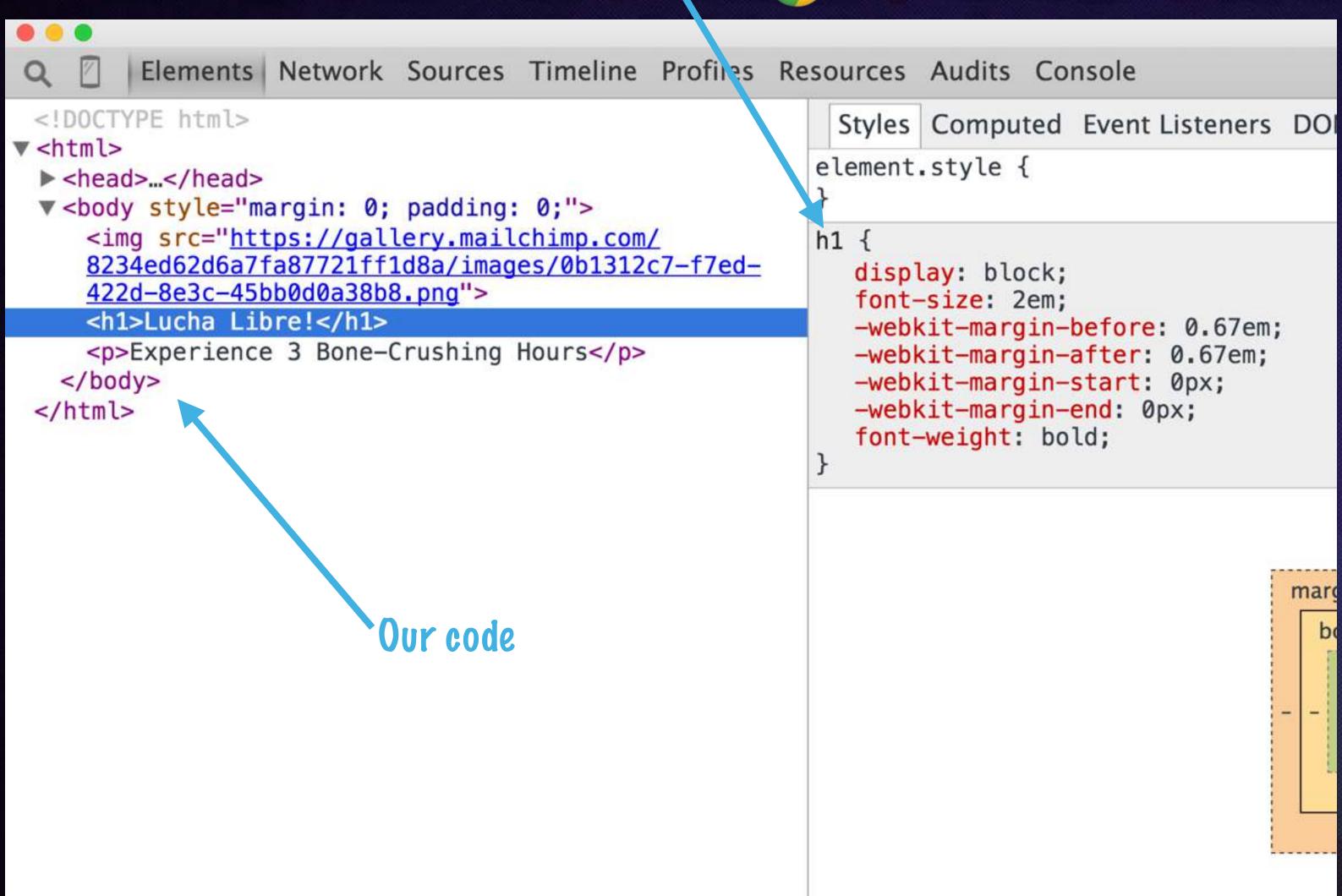
Inspecting elements with browser dev tools





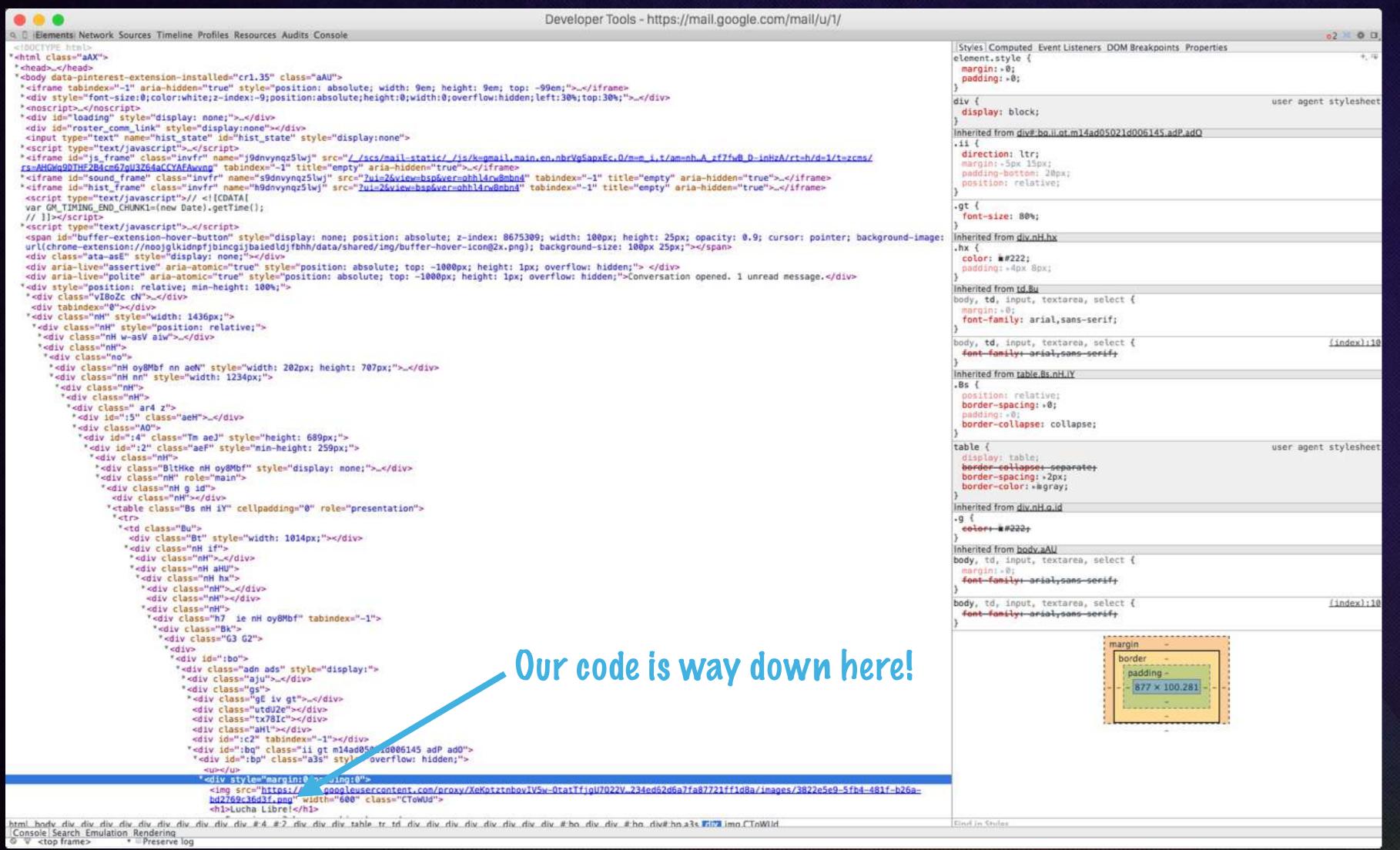
Inspecting our email locally

Default styles set by Chrome C

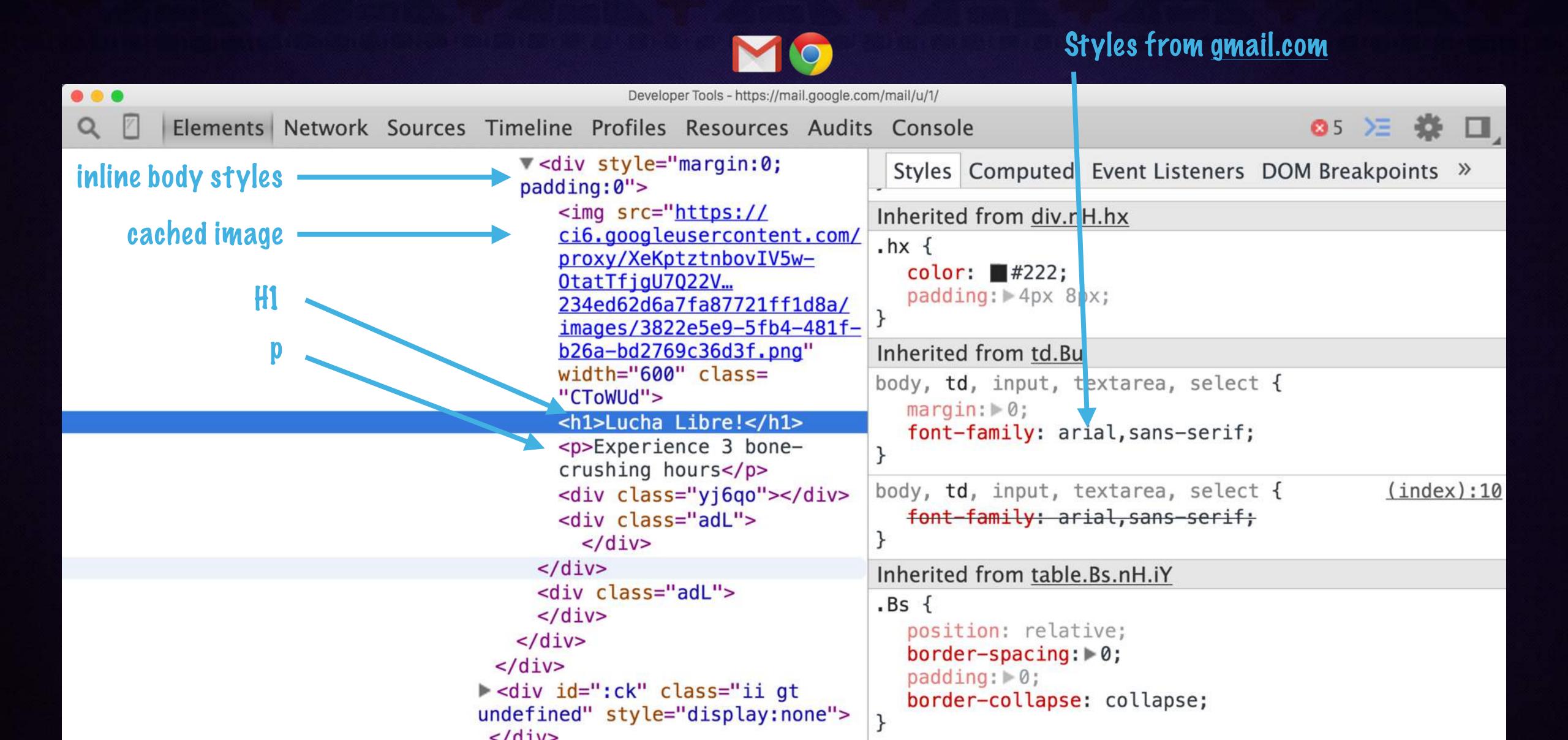


Our code in the Gmail web application





Our code after Gmail's preprocessor



"All your code are belong to clients"

Our inline styles are gone!



```
Developer Tools - https://mail.google.com/mail/u/0/
      Elements Network Sources Timeline Profiles Resources Audits Console
▼ <body class="aAU">
                                                                Styles Computed Event Listeners DOM Breakpoints Properties
  ▶ <iframe tabindex="-1" aria-hidden="true" style="position
                                                              element.style {
                                                                                                                         + ::
  <div style="font-size:0; color:white; z-index:-9; position</pre>
 ...</div>
  <noscript>...</noscript>
                                                              body.aAU {
  <div id="loading" style="display: none;">...</div>
                                                                 overflow-x: hidden;
   <div id="roster_comm_link" style="display:none"></div>
                                                                 overflow-y: hidden!important;
   <input type="text" name="hist_state" id="hist_state" st ;</pre>
  <script type="text/javascript">...</script>
                                                               aAT, .aAU {
  <iframe id="js_frame" class="invfr" name="j30sr2d6jft9a</pre>
                                                                 background: ▶ #fff;
  m=m_i,t/am=PS...D_5v9P4C_B_TTDxg/rt=h/d=1/t=zcms/rs=AItRSTN
  hidden="true">...</iframe>
  <iframe id="sound_frame" class="invfr" name="s30sr2d6jf.aAU {</pre>
  "empty" aria-hidden="true">...</iframe>
                                                                 overflow-x: visible;
  <iframe id="hist_frame" class="invfr" name="h30sr2d6jft</pre>
                                                                 background-color: #fff;
  "empty" aria-hidden="true">...</iframe>
   <script type="text/javascript">// <![CDATA[</pre>
                                                              body, td, input, textarea, select {
   var GM_TIMING_END_CHUNK1=(new Date).getTime();
                                                                 margin: ▶0;
   // ]]></script>
                                                                 font-family: arial, sans-serif;
  <script type="text/javascript">...</script>
   <div class="ata-asE" style="display: none;"></div>
   <div aria-live="assertive" aria-atomic="true" style="po body {</pre>
   </div>
                                                                 height: 100%;
   <div aria-live="polite" aria-atomic="true" style="posit
                                                                 width: 100%;
   hidden;">Conversation opened. 1 unread message.</div>
                                                                 overflow: ▶ hidden;
  ▼ <div style="position: relative; min-height: 100%;">
```

Writing CSS for emails

Without support for external stylesheets or <style> tags, inline styles must be used.

- X CSS in a linked stylesheet
- CSS in a <style> tag
- Inline styles



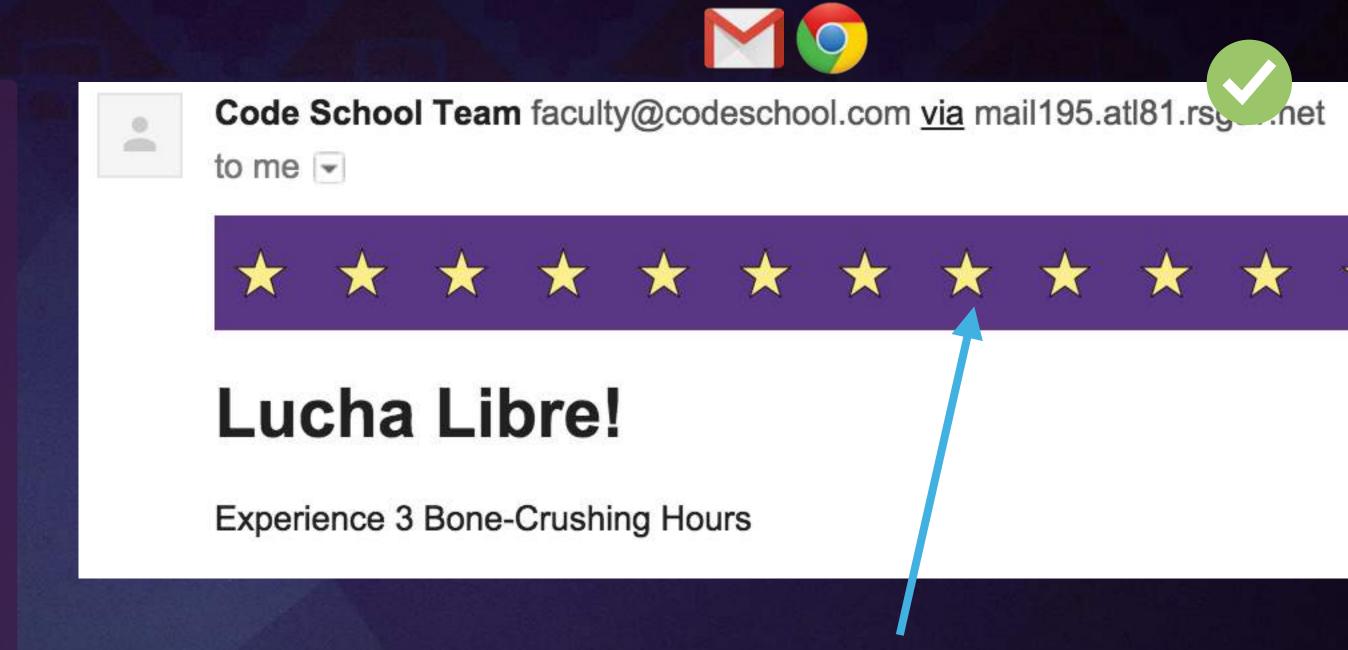
We'll use inline styles to create this header

Styling the image with inline styles

email.html

```
<img src="...stars.png"
style="
background-color: #5b3885;
display: block;
max-width: 100%;
padding: 12px 0;"
width="600" />
<h1>...
...
```

Add a style attribute with CSS properties inline



In Gmail, the image displays the styles



Styling the H1

email.html

```
chl style="
color: #7fcce9;
font-family: 'Arial Black';
font-size: 74px;
line-height: 74px;
margin: 0;
text-transform: uppercase;">
Lucha Libre!</h1>
```

Reset styles are included inline



Inline styles have a higher specificity than Gmail's stylesheet

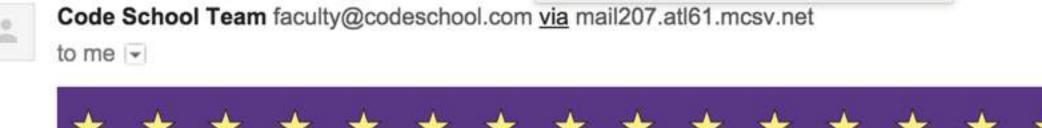


Styling the paragraph

email.html

```
background: #5b3885;
 color: #fcfbfd;
 font-family: 'Arial Black';
 font-size: 26px;
 line-height: 26px;
 margin: 0;
 padding: 10px 0;
 text-transform: uppercase;">
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```







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Container, font, and reset styles



Content needs a container





Adding a container

email.html





The content is contained and the container is centered



Centering the text

email.html

 \star \star \star \star \star \star \star \star \star

```
<div style="
    margin: 0 auto;
    max-width: 600px;
    text-align: center; ">
 <img ... >
 <h1 ... >
 </div>
```





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Text is now centered



Adding a background

email.html







Testing, testing, testing



